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both official and personal ; and resolutions of the same tenor were unanimously adopted by the officers and workmen.

To this I will only add in conclusion, the unsought testimony, just received, of a gentleman who, after a service of fifty years in the Royal Mint at London, lately retired from the post of Queen's Assayer, which he had filled with great ability.

"I have to express my unfeigned regret at this loss to science, and especially our branch of it. I was not personally known to Mr. Eckfeldt; but I can say, his name and his works will live forever in the wide world.

I sympathize in the loss his relations will have to sustain."

Stated Meeting, Oct. 18th, 1872.

Present, 17 members.

DR. EMERSON in the chair.

Dr. Agnew and Mr. Coleman Sellers, newly elected members, were introduced to the presiding officer, and took their seats.

Letters accepting membership were received from Mr. Coleman Sellers, dated Philadelphia, October 12th, and from Dr. R. J. Levis, dated Arch and Thirteenth Streets, Philadelphia, October 14th, 1872.

A letter of envoy was received from the Imperial Academy at Vienna, dated May 8th, 1872.

Letters acknowledging the receipt of publications were received from the Asiatic Society of Bengal, June 15th, 1872 (83 to 85, XIV. i.); the Imp. Academy, Vienna, November 7th, 1871 (83, 85, 86, XIV. i, ii.); the Zoological Society, London, 87 Hanover Square, September 30th, 1872 (83 to 88, XIV. i. and iii.); the Royal Soc. Edinburgh, March 18th, 1872 (82); the Lyceum of N. H., New York, October 7th, 1872, (88). the University of Virginia, October 7th, 1872 (88); the American Academy, Boston, October 8th, 1872 (88); the Maryland Historical Society, Baltimore, October 7th, 1872 (88); the University of the City of New York, October 10th, 1872 (88); the New Jersey Historical Society, Newark, October 8th, 1872 (88); the Maine Historical Society (88), announcing also the decease of Mr. Ballard; the Essex Institute, Salem, October 11th, 1872 (88); and the Georgia Historical Society, Savannah, October 9th, 1872 (88).

Donations to the library were received from the Academies at St. Petersburg, Vienna, Brussels and Boston; the Observatories of Dorpat and Montsouris; the Societies at Görlitz, St. Gall, Frankfort, Falmouth and Edinburgh; the Italian Geological Committee at Florence; the Geographical Antiquarian and Anthropological Societies, and M. Delesse, at Paris; the Meteorological, Geographical, Chemical, Geological and Zoological Societies, at London; the *Revue Politique and Nature*; the Peabody Museum, at Boston; Silliman's Journal; the American Chemist; the American Journal of Medical Sciences and Medical News; the American Journal of Pharmacy; Dr. Gross, of Philadelphia; Penn Monthly; and the Smithsonian Institution.

The death of Prof. John F. Frazer, a member of the Society, at the University, on Saturday, October 12th, in the 61st year of his age, was announced by Professor Kendall. On motion, Dr. LeConte was appointed to prepare an obituary notice of the deceased.

A paper for publication in the Transactions was presented, entitled, "On the Physical geography and geology of the island of Santo Domingo, with a map and four sheets of sections, by W. M. Gabb."

On motion, it was referred to a committee, consisting of Prof. Lesley, Dr. Leidy and Prof. P. E. Chase.

Communications were received from Prof. Cope, on a new Vertebrate Genus from the northern part of the Tertiary Basin of Green River, and descriptions of new Extinct Reptiles from the Upper Green River Eocene Basin, Wyoming.

Professor Chase explained his views of the values of his published comparative rainfall tables, and of the predictions permitted by his discussion of the same.

Pending nominations Nos. 697 to 705 were read. Nos. 697 to 702 were spoken to and balloted for.

Mr. Price read a letter from the Hon. W. S. Stokeley, Mayor of Philadelphia, in reference to the deposit of the Continental chair in the Hall of the State House.

The ballot boxes being scrutinized by the presiding officer,

the following named gentlemen were declared to be duly elected members of the Society :

Mr. Andrew Jackson Cassatt, of Philadelphia.

Mr. Clarence King, U. S. Geologist.

Mr. Horatio Hale, of Canada.

M. Paul Broca, M.D., of Paris.

Herr Franz Joseph Lauth, of Munich.

Dr. Isaac Norris, Jr., of Philadelphia.

And the meeting was adjourned.

ON A NEW VERTEBRATE GENUS FROM THE NORTHERN PART OF THE TERTIARY BASIN OF GREEN RIVER.

BY EDWARD D. COPE, A.M.

(Read before the American Philosophical Society, Oct. 18, 1872.)

ANAPTOMORPHUS ÆMULUS. Cope.

Dentition of the *ramus mandibuli*, In. 2, C. 1, P.M. 2, M. 3, total, 16; identical in number to those of *Simia* and *Homo*. It differs in many respects from these; there is no interruption in the series near the canine, and the symphysis though massive, is not co-ossified. Further details are, the last molar is three-lobed and elongated behind. The composition of the crowns of the preceding molars consists of four opposed lobes, which are very stout, and connected transversely by a thin ridge behind, or in close contact in front. The premolar tooth which is best preserved, is a perfect second, which, while having two roots, possesses a crown which stands almost entirely on the anterior, presenting a curved sectorial crest forwards and upwards.

<i>Measurements.</i>	<i>M.</i>
Length dental line.....	0.0148
“ of last molar.....	.0030
“ “ ante-penult.....	.0025
Width of “.....	.0020
Length of three molars preserved.....	.0070

DESCRIPTIONS OF NEW EXTINCT REPTILES FROM THE UPPER GREEN RIVER EOCENE BASIN, WYOMING.

BY E. D. COPE.

CROCODILUS (ICHTHYOSUCHUS) SUBULATUS. Cope, sp. nov.

Some of the cervical vertebræ without hypapophyses. Their cups round. Dentition peculiar. One or two very long smooth compressed straight teeth in the front of the *ramus mandibuli*. These are followed abruptly by a closely set series of sub-equal teeth of not one-fourth the